

Figure 1

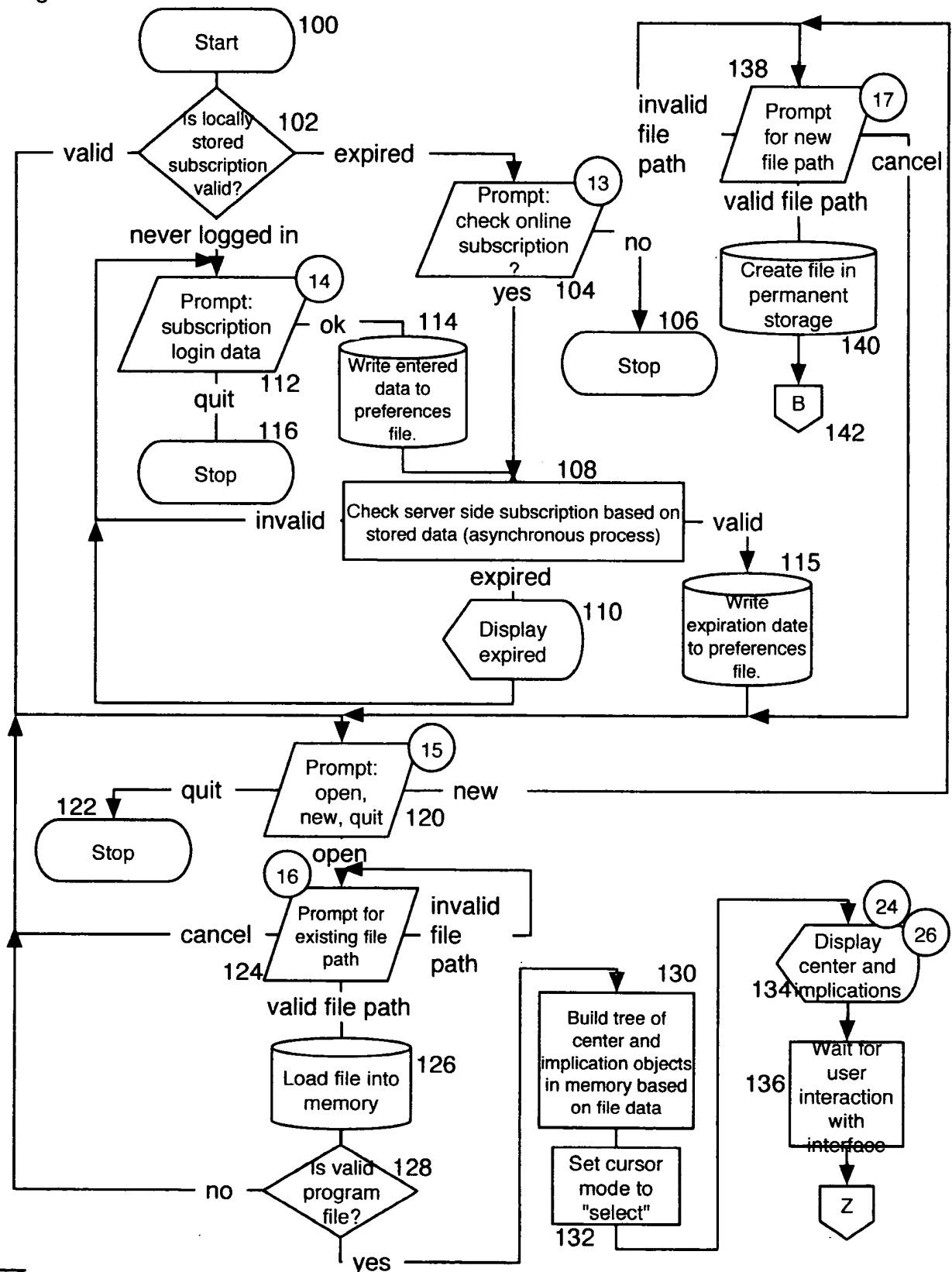


Figure 2

```
graph TD
    B[B 144] -- 146 --> Init[Initialize data structure or database]
    Init -- 148 --> SetCursor[Set cursor mode to "add"]
    SetCursor --> PromptAuth[/Prompt for authors/ 18]
    PromptAuth -- ok --> IncorporateAuth[Incorporate authors into the object representing the center]
    PromptAuth -- cancel --> PromptBg[/Prompt for background/details of the center/ 19]
    IncorporateAuth --> WriteFile1[(Write data file 154)]
    WriteFile1 --> WaitInt[Wait for user interaction with interface 172]
    WaitInt -- Z --> IsPosChild{Is there at least one positive child of the center? 190}
    PromptBg -- ok --> IncorporateBg[Incorporate background/details into the object representing the center 158]
    IncorporateBg --> WriteFile2[(Write data file 160)]
    WriteFile2 --> PromptCenter[/Prompt for the center/ 20]
    PromptCenter --> IncorporateCenter[Incorporate center into the object representing the center 164]
    IncorporateCenter --> WriteFile3[(Write data file 166)]
    WriteFile3 --> DisplayCenter{{Display the center 168}}
    DisplayCenter -- 22 --> PromptImp1[/Prompt for first order implication/ 22]
    PromptImp1 -- negative --> CreateNegImp[Create a first order implication object defined as negative desirability with text set to user entered text. 176]
    PromptImp1 -- positive --> CreatePosImp[Create a first order implication object defined as positive desirability with text set to user entered text. 174]
    CreateNegImp --> AddImpChild[Add implication object as a child of the center 178]
    CreatePosImp --> AddImpChild
    AddImpChild --> WriteFile4[(Write data file 180)]
    WriteFile4 --> IsNegChild{Is there at least one negative child of the center? 192}
    IsPosChild -- yes --> IsNegChild
    IsPosChild -- no --> RemindPosImp[/Remind user to include at least one positive implication/ 27]
    IsNegChild -- yes --> IsFourChildren{Are there four or more children of the center? 182}
    IsNegChild -- no --> RemindNegImp[/Remind user to include at least one negative implication/ 27]
    RemindPosImp --> IsNewImp{Is new implication being added on a hidden first order page? 184}
    RemindNegImp --> IsNewImp
    IsFourChildren -- yes --> IsNewImp
    IsFourChildren -- no --> HidePage[Hide current page and display page containing newly added first order. 188]
    HidePage --> DisplayImp[/Display first order attached by single line to the center/ 23]
    IsNewImp -- yes --> HidePage
    IsNewImp -- no --> DisplayImp
    DisplayImp -- 24 --> 26((26))
    26 --> 22
```

The flowchart illustrates the process of creating a center and its implications. It begins with a start node (B) leading to an initialization step (146) and setting the cursor mode to "add" (148). The process then prompts for authors (18). If the user enters "ok", authors are incorporated into the center object (152), and data is written to a file (154). If the user enters "cancel", the process prompts for background/details of the center (19). If the user enters "ok", background/details are incorporated (158), and data is written to a file (160). The process then prompts for the center (20). If the user enters "ok", the center is incorporated into the object (164), and data is written to a file (166). The process then displays the center (168). The process then prompts for a first order implication (22). If the user enters "negative", a first order implication object is created (176). If the user enters "positive", a first order implication object is created (174). The process then adds the implication object as a child of the center (178). The process then writes data to a file (180). The process then checks if there is at least one negative child of the center (192). If the answer is "yes", the process checks if there are four or more children of the center (182). If the answer is "yes", the process checks if a new implication is being added on a hidden first order page (184). If the answer is "yes", the process hides the current page and displays the page containing the newly added first order (188). If the answer is "no", the process displays the first order attached by a single line to the center (23). The process then displays the first order (24) and returns to the prompt for a first order implication (22). If the answer to (192) is "no", the process reminds the user to include at least one negative implication (27). If the answer to (182) is "no", the process reminds the user to include at least one positive implication (27). If the answer to (184) is "no", the process hides the current page and displays the page containing the newly added first order (188). If the answer to (184) is "yes", the process hides the current page and displays the page containing the newly added first order (188). The process then displays the first order (24) and returns to the prompt for a first order implication (22).

Figure 3

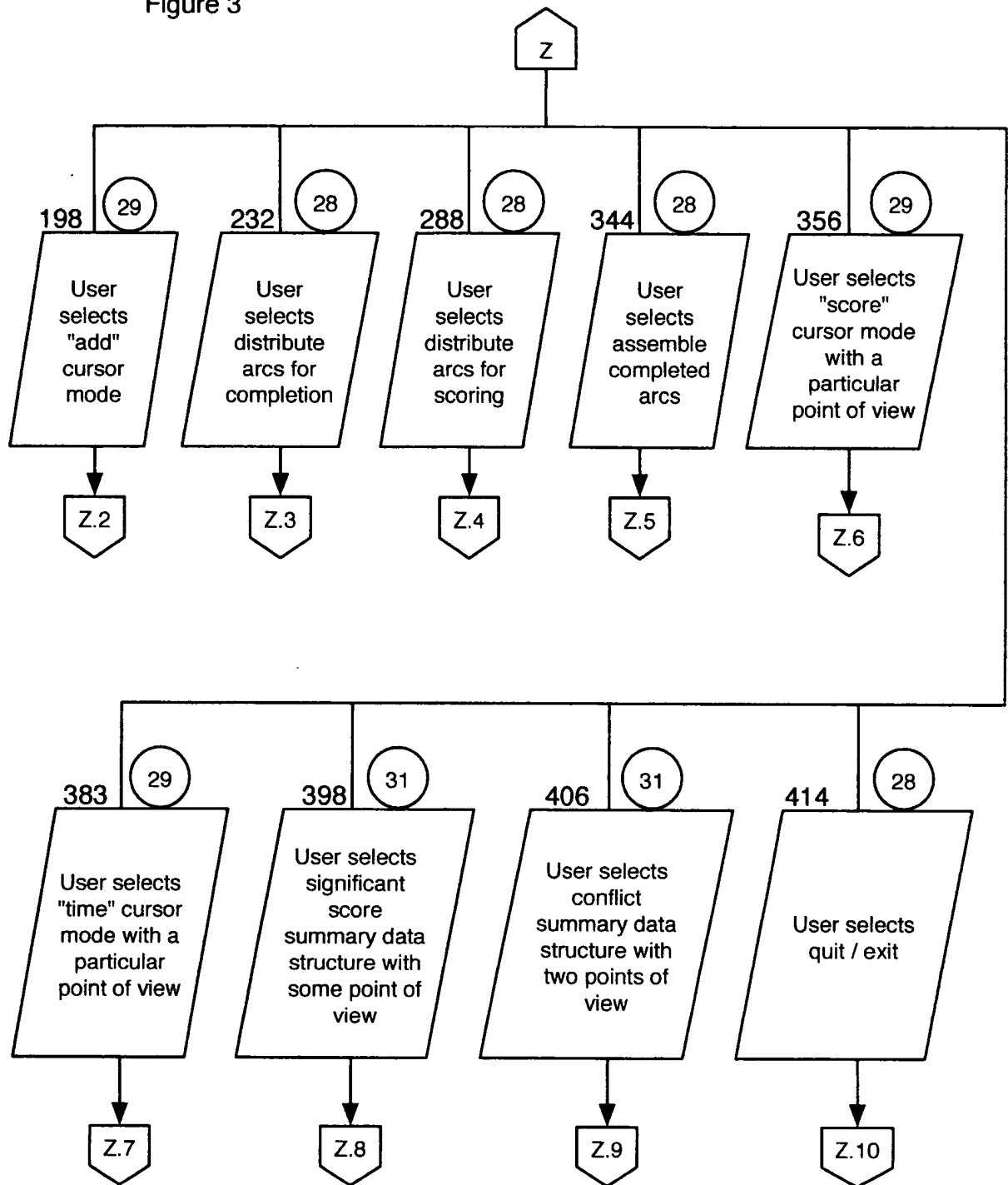


Figure 4

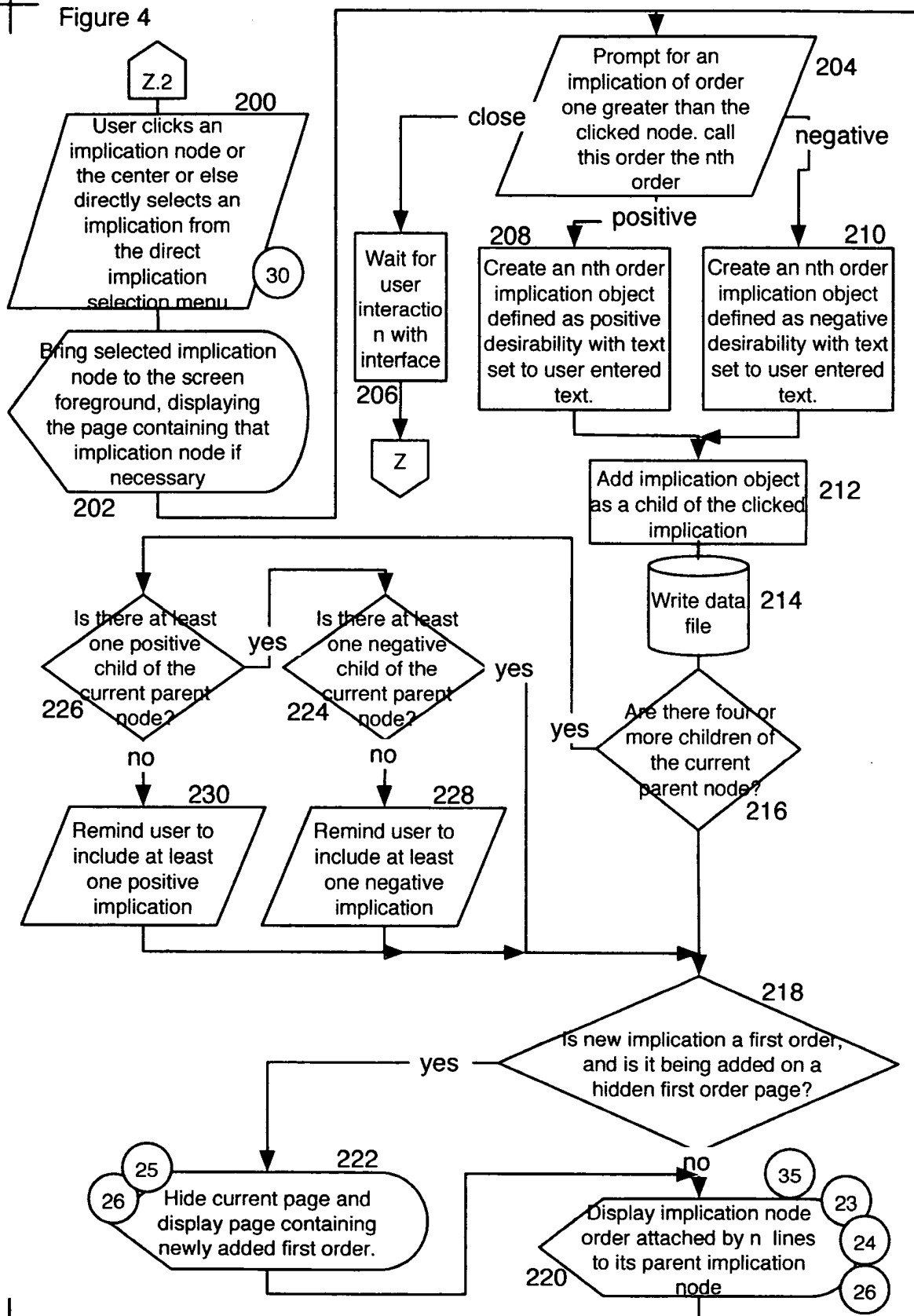


Figure 5

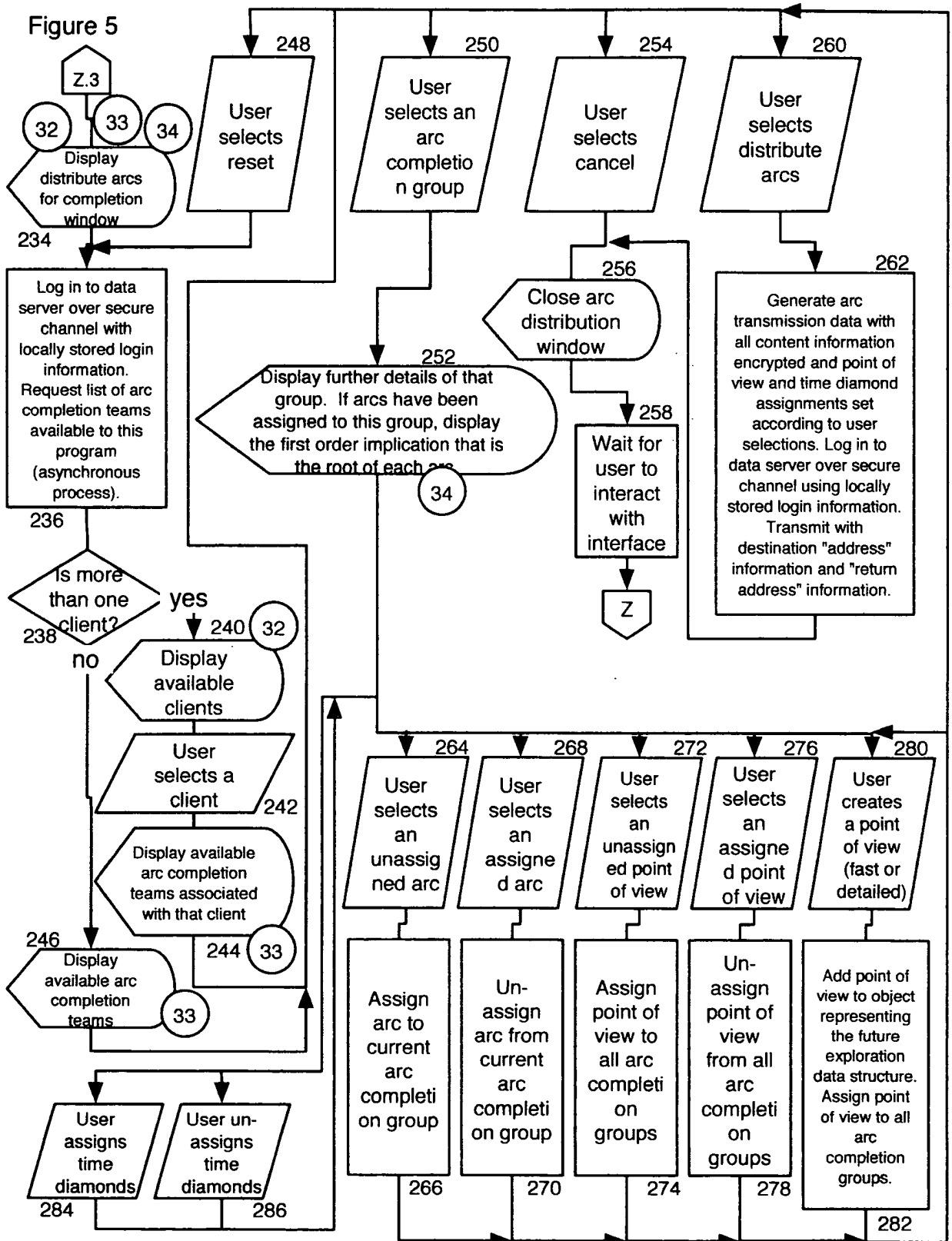


Figure 6

```
graph TD
    Z1{{Z}} --> 32((32))
    32 --> 33((33))
    33 --> 34((34))
    34 --> 290[290]
    290 --> 292[292]
    292 --> 294{294}
    294 -- yes --> 296((296))
    294 -- no --> 302((302))
    296 --> 298[/298/]
    298 --> 300((300))
    300 --> 302
    302 --> 304[/304/]
    304 --> 306[/306/]
    306 --> 308{{308}}
    308 --> 310[/310/]
    310 --> 312{{312}}
    312 --> 314[314]
    314 --> Z2{{Z}}
    308 --> 316[/316/]
    316 --> 318[318]
    318 --> 320[/320/]
    318 --> 324[/324/]
    318 --> 328[/328/]
    318 --> 332[/332/]
    318 --> 336[/336/]
    320 --> 322[322]
    324 --> 326[326]
    328 --> 330[330]
    332 --> 334[334]
    336 --> 338[338]
    322 --> 308
    326 --> 308
    330 --> 308
    334 --> 308
    338 --> 308
    304 --> 308
    308 --> 308
    308 --> 308
```

The flowchart illustrates the process of an arc completion system. It begins with a start node (Z) leading to a sequence of steps: 32 (Display distribute arcs for scoring window), 33, and 34. Step 34 leads to a decision point 290. If the user selects reset (304), the process goes to 306 (User selects an arc completion group), then to 308 (Display further details of that group). If arcs have been assigned to this group, it displays the first order implication that is the root of each arc. From 308, the user can select cancel (310) or distribute arcs (316). Selecting cancel leads to 312 (Close arc distribution window) and then 314 (Wait for user to interact with interface), which leads to a final node (Z). Selecting distribute arcs leads to 318 (Only send arcs to groups with assigned point of view. Generate arc transmission data with all content information encrypted and point of view and time diamond assignments set according to user selections. Log in to data server over secure channel using locally stored login information. Transmit with destination "address" information and "return address" information). From 318, the user can select an unassigned arc (320), an assigned arc (324), an unassigned point of view (328), an assigned point of view (332), or create a point of view (fast or detailed) (336). These actions lead to 322 (Assign arc to all arc completion groups), 326 (Un-assign arc from all arc completion groups), 330 (Assign point of view to current arc completion group), 334 (Un-assign point of view from current arc completion group), and 338 (Add point of view to object representing the future exploration data structure. Assign point of view to current arc completion group). All these steps lead back to 308. Alternatively, from 290, if more than one client is present (294), the process goes to 296 (Display available clients), then 298 (User selects a client), then 300 (Display available arc completion teams associated with that client), then 302 (Display available arc completion teams), then 304 (User assigns time diamonds) or 342 (User un-assigns time diamonds), which both lead back to 308. If there is only one client (294 no), the process goes directly to 302.

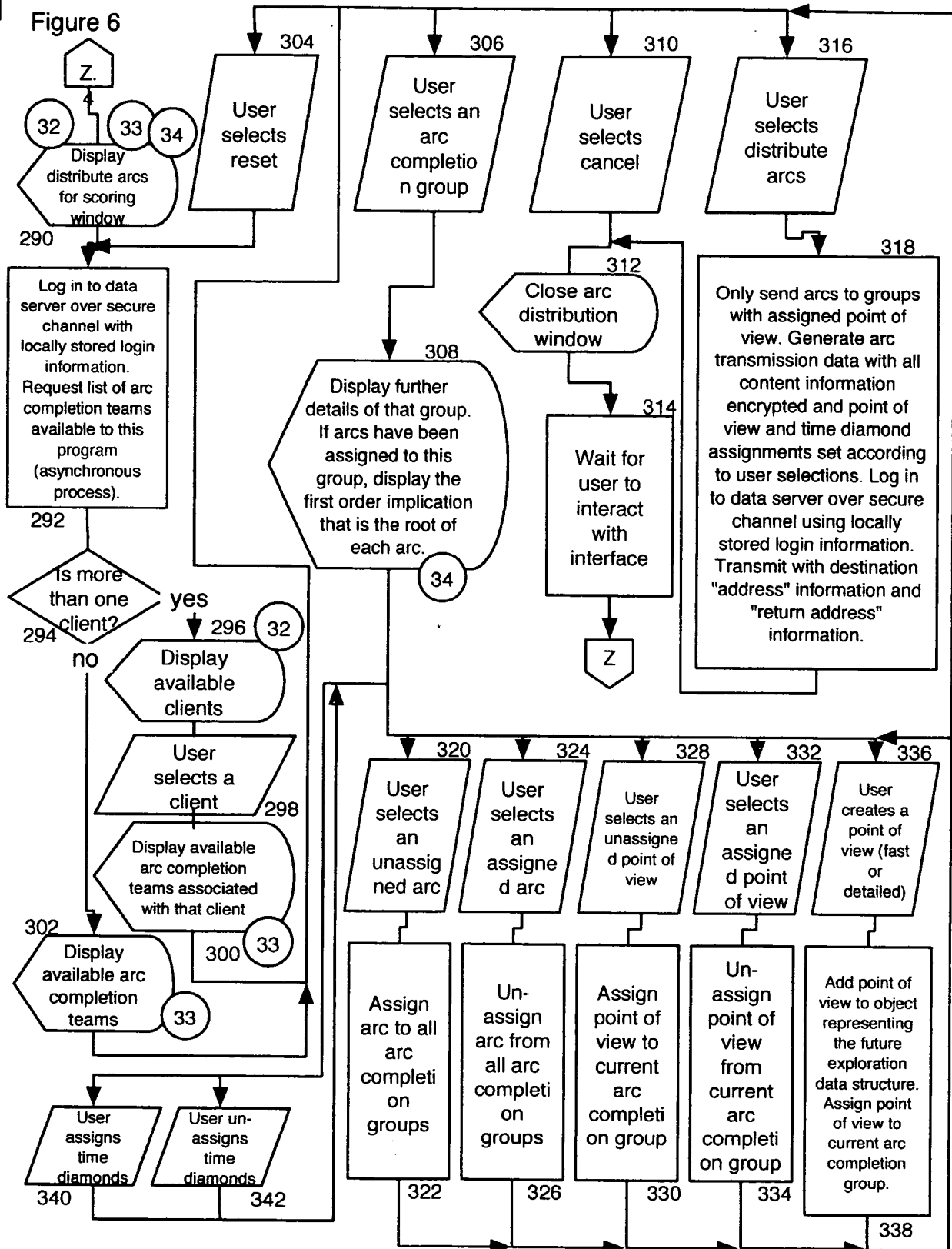


Figure 7

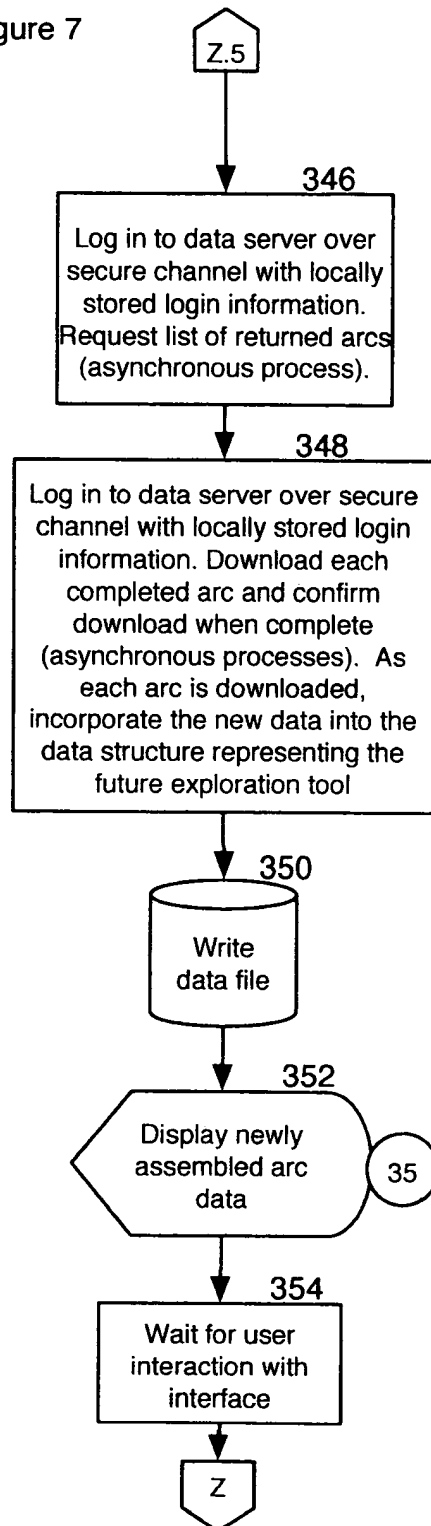


Figure 8

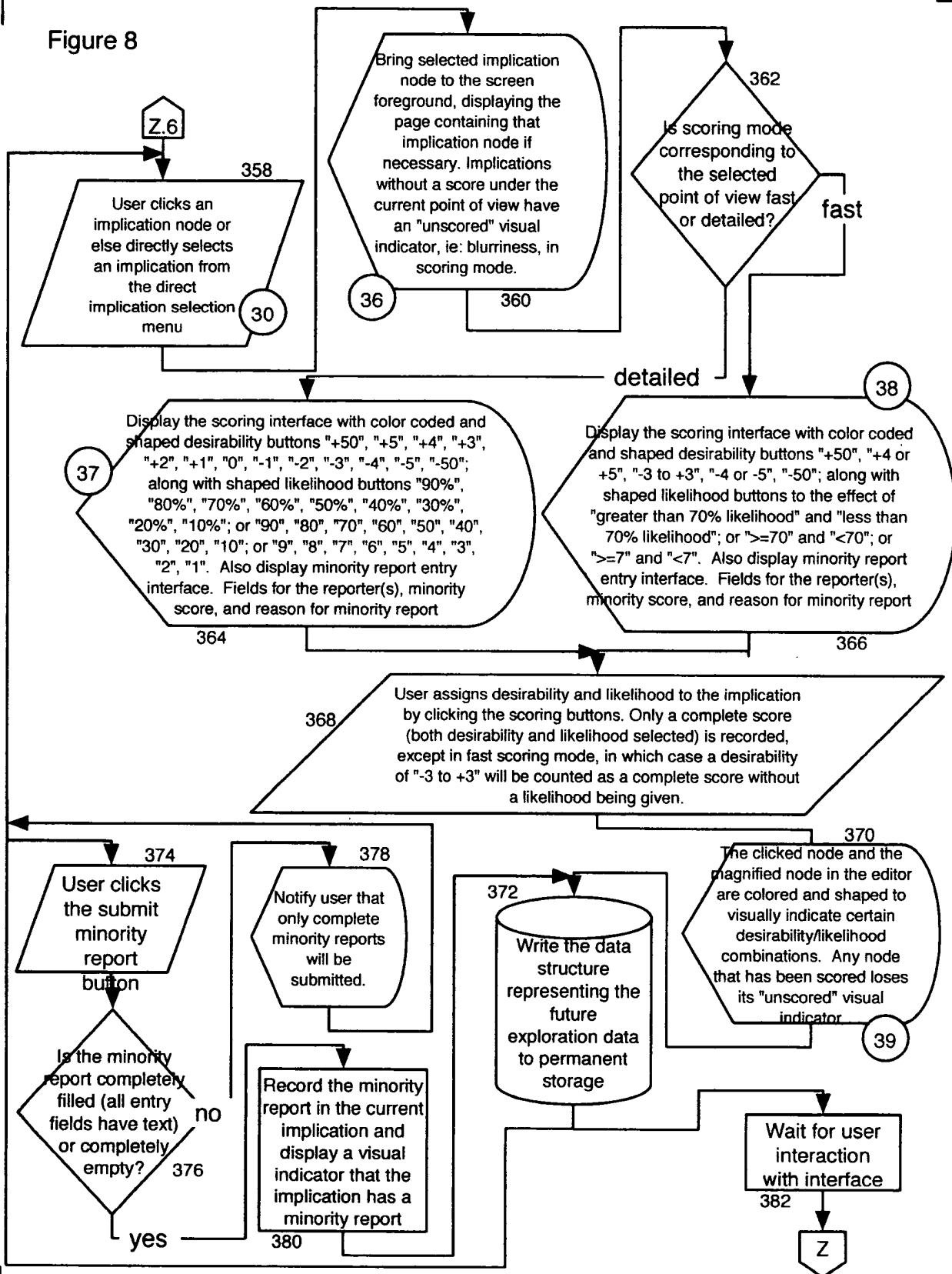


Figure 9

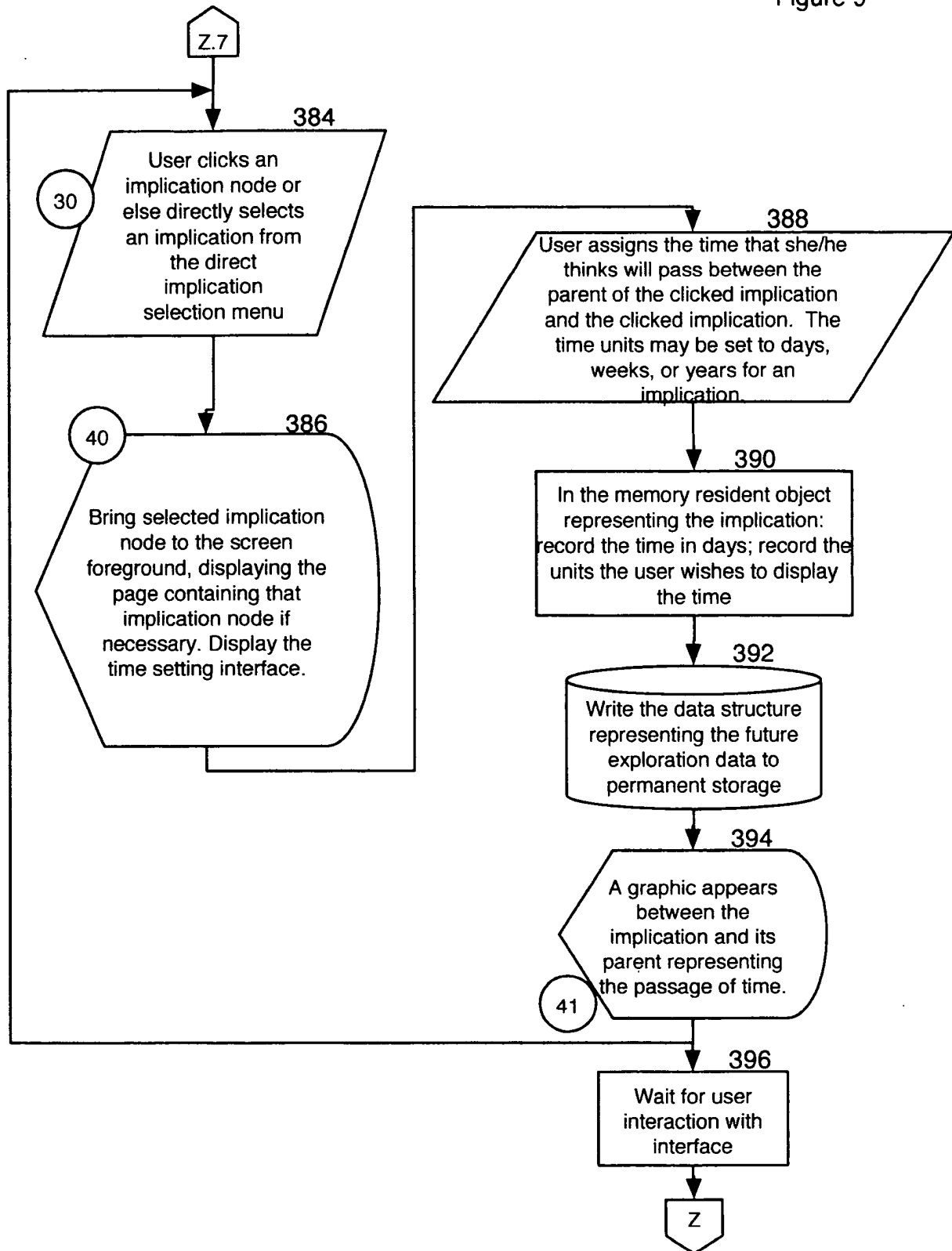


Figure 10

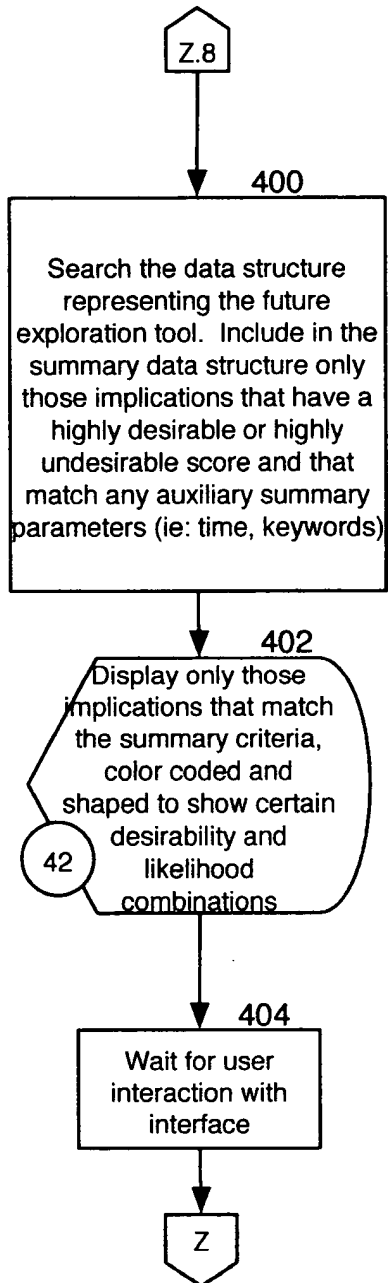


Figure 11

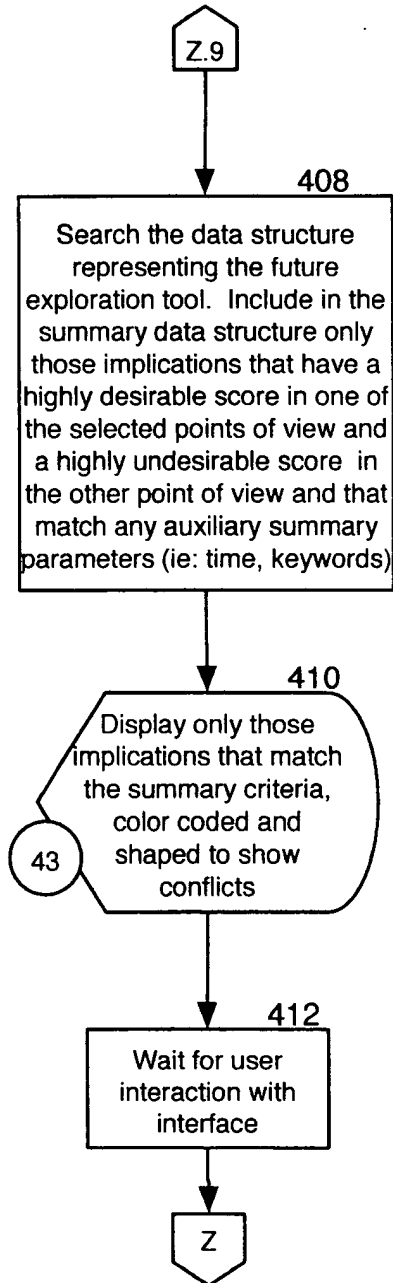


Figure 12

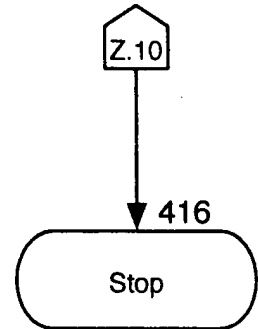


Figure 13

Do you want to check the server
for an updated subscription?

No Yes

502 500

This is a rectangular dialog box with a thin black border. Inside, the text 'Do you want to check the server for an updated subscription?' is centered in a standard sans-serif font. Below the text, there are two rounded rectangular buttons. The left button is labeled 'No' and the right button is labeled 'Yes'. Below each button, a vertical line extends downwards to a numerical label: '502' for 'No' and '500' for 'Yes'.

Figure 14

Organization Name:

Group/User Name:

Password:

New Password:

Quit OK

514 512

504 506 508 510

This is a rectangular form with a thin black border. It contains four text input fields stacked vertically. Each field is preceded by a label: 'Organization Name:', 'Group/User Name:', 'Password:', and 'New Password:'. To the right of each input field, a horizontal line extends to a numerical label: '504', '506', '508', and '510' respectively. At the bottom of the form, there are two rounded rectangular buttons labeled 'Quit' and 'OK'. Below each button, a vertical line extends downwards to a numerical label: '514' for 'Quit' and '512' for 'OK'.

Figure 15

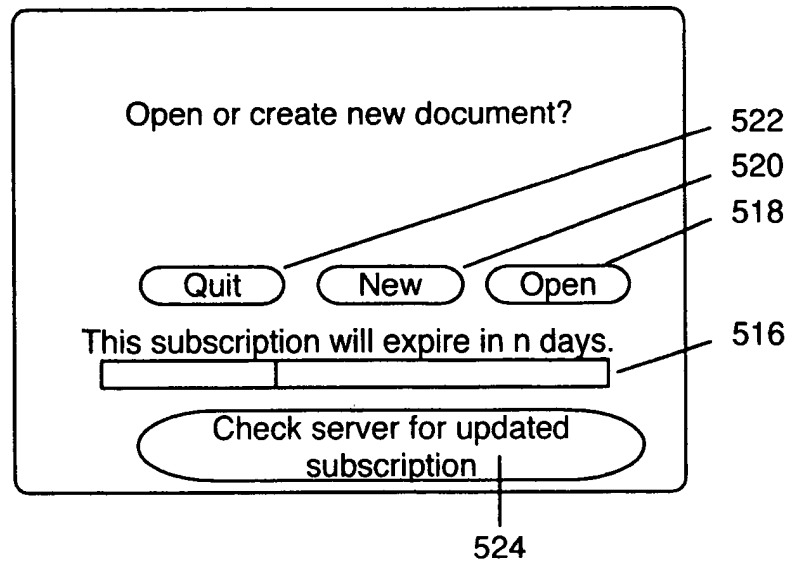


Figure 16

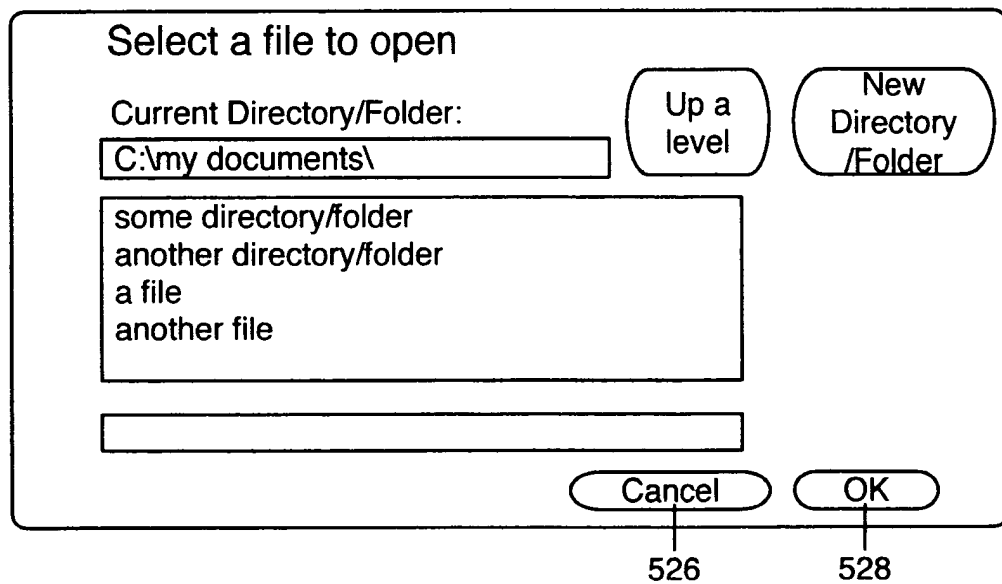


Figure 17

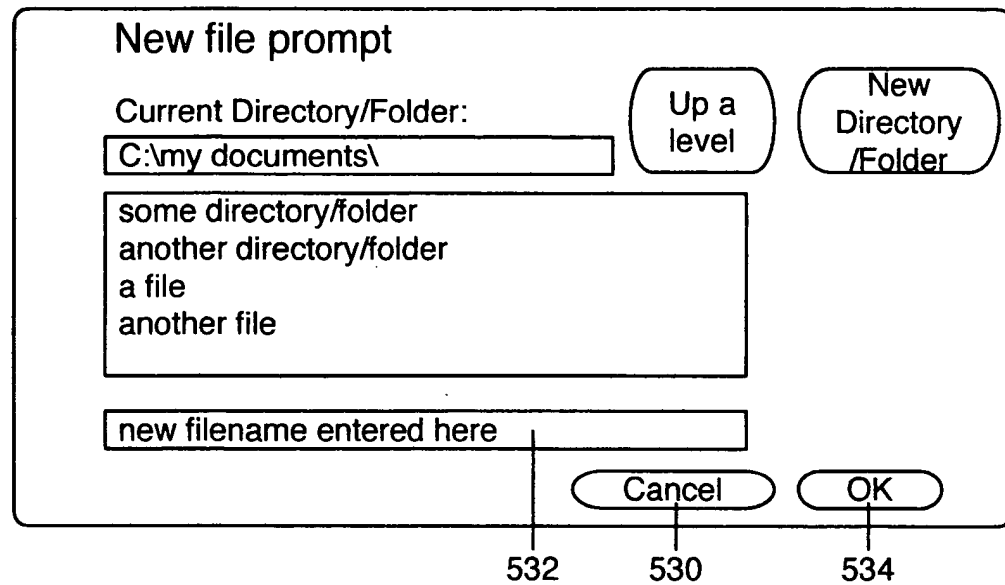


Figure 18

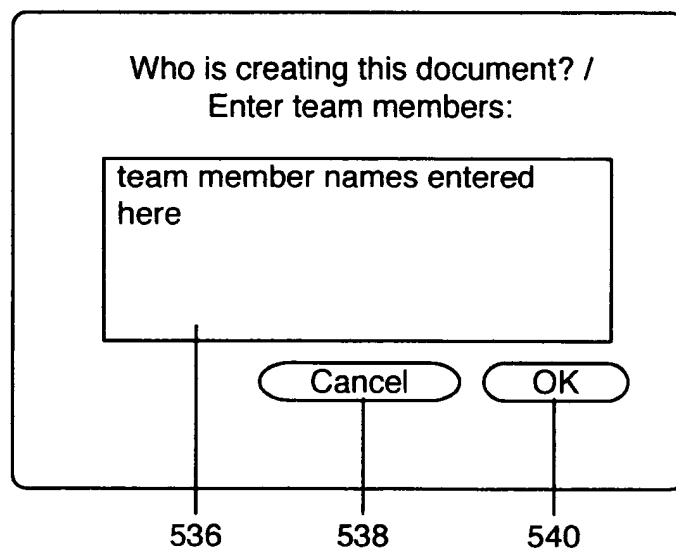


Figure 19

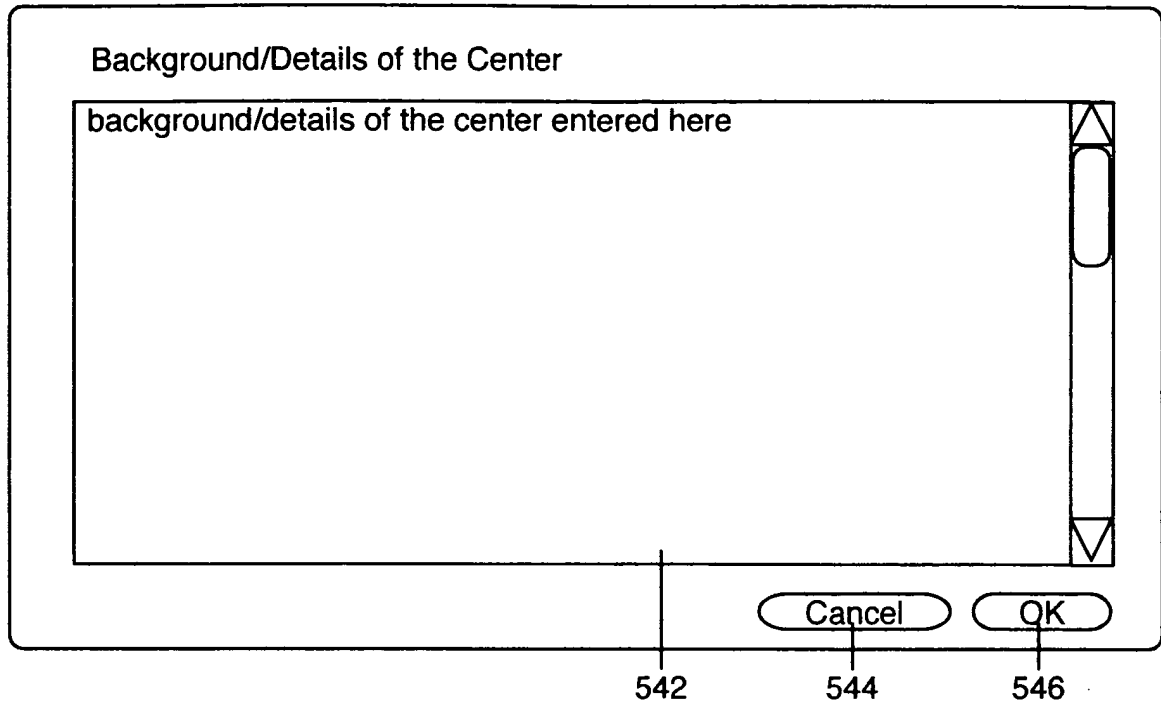


Figure 20

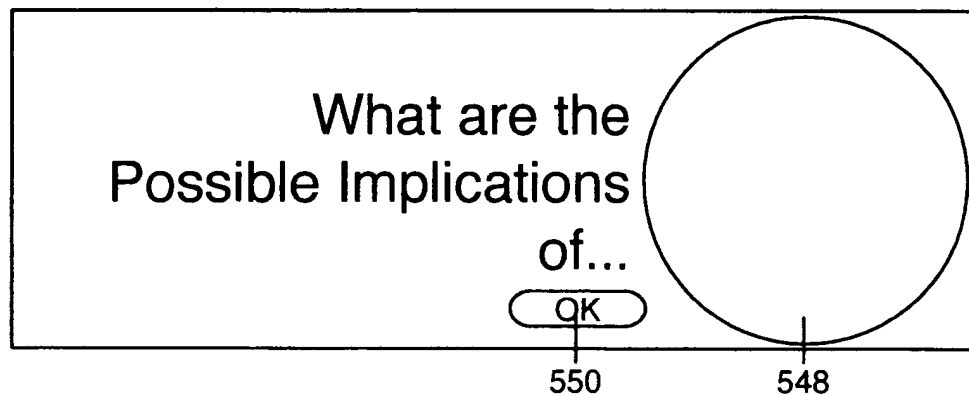


Figure 21

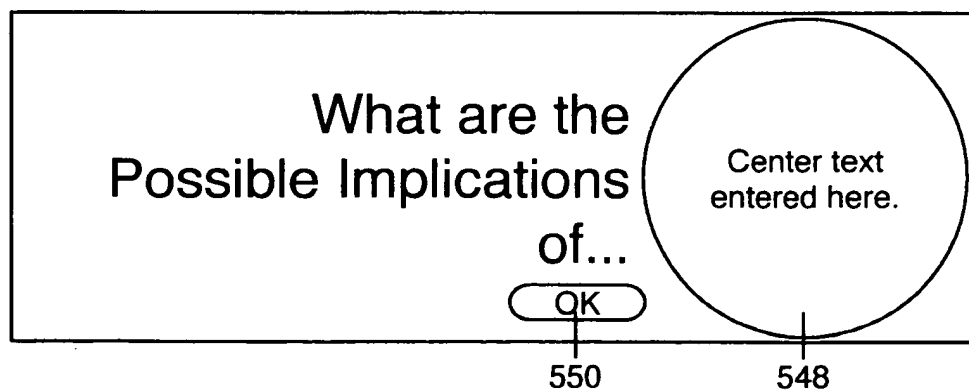


Figure 22

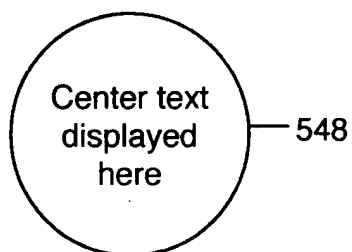
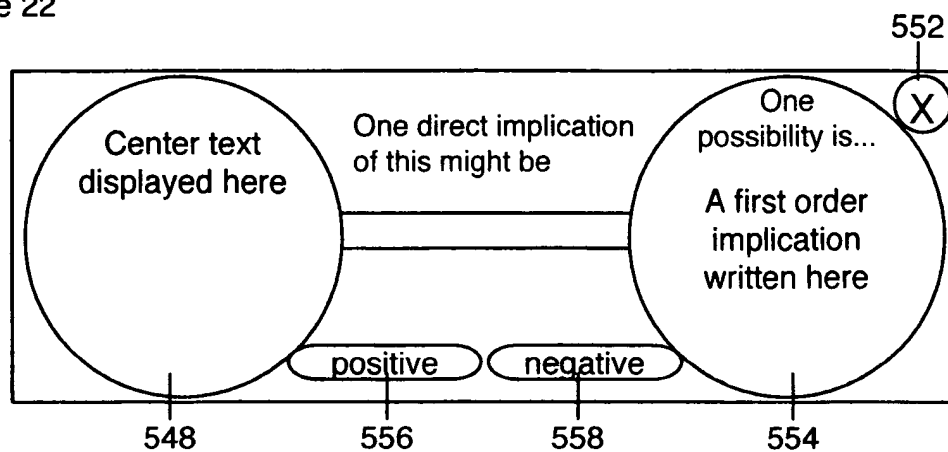


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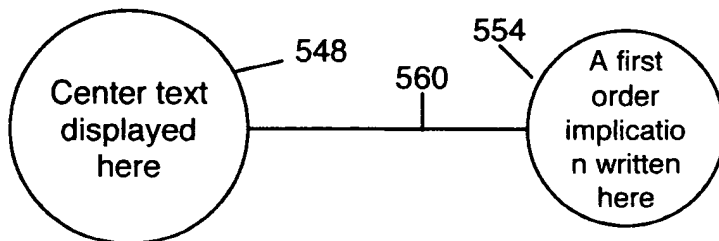
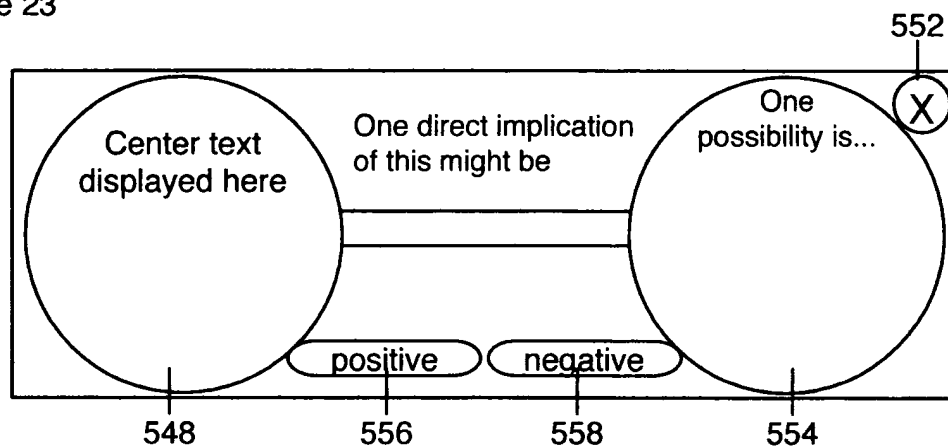


Figure 24

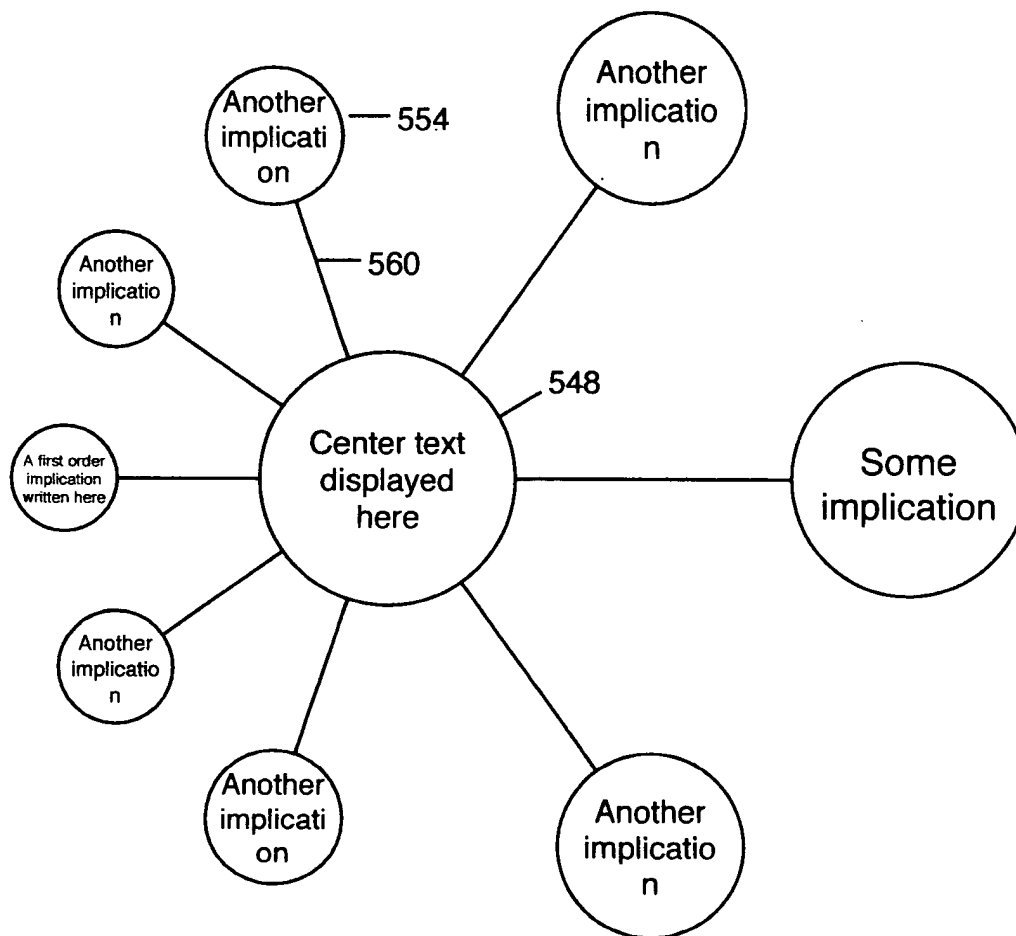
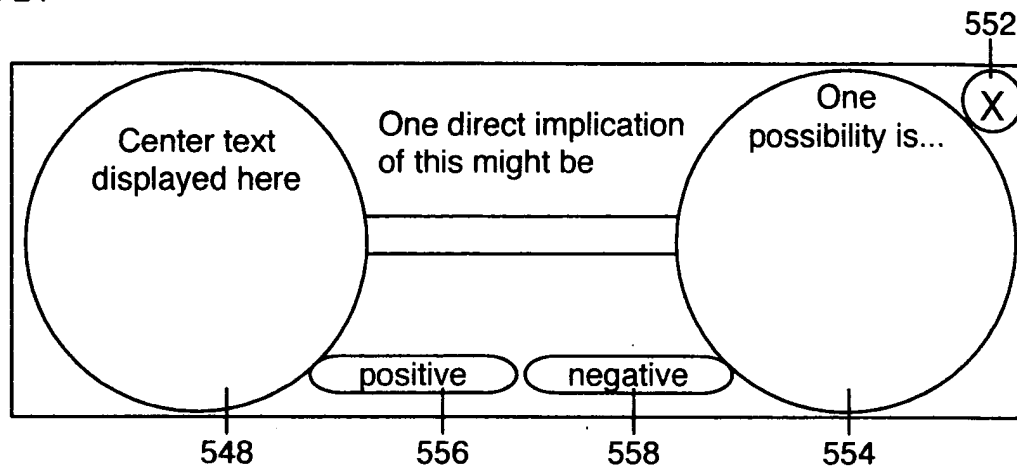


Figure 25

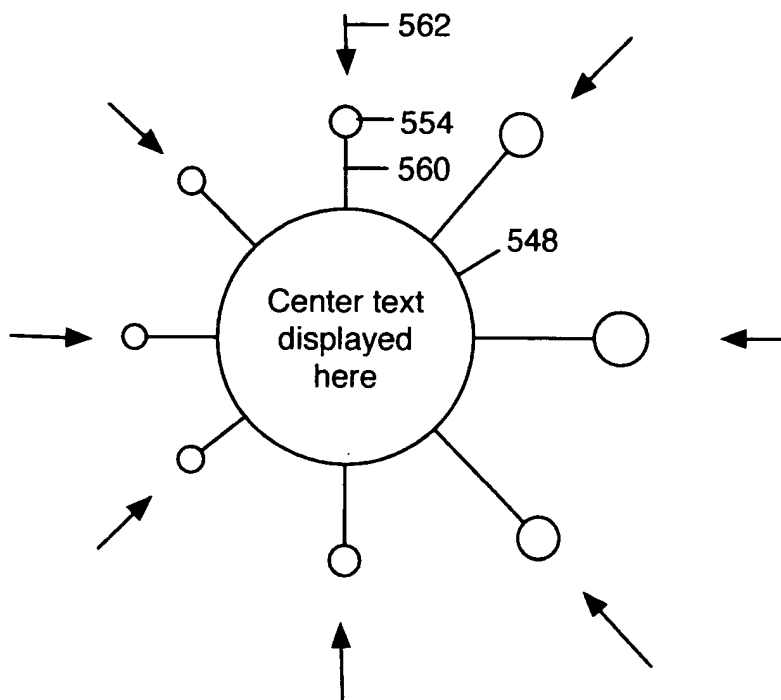
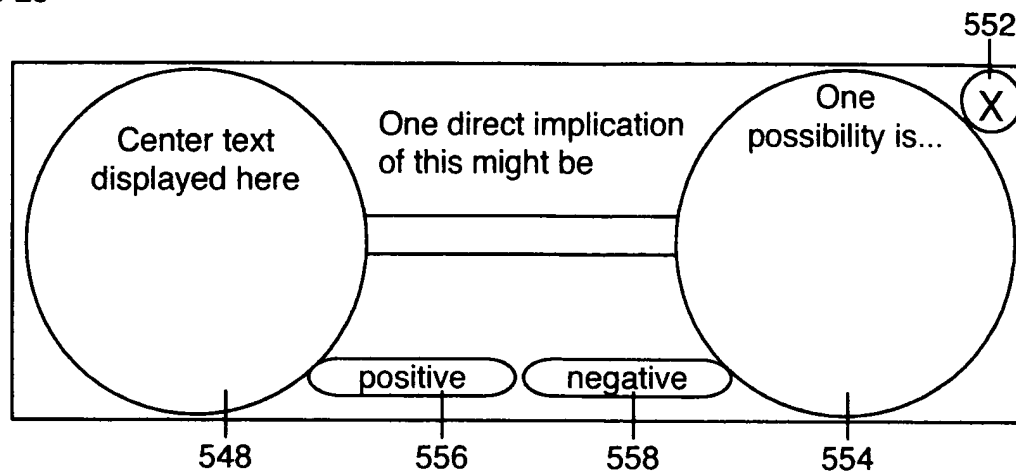


Figure 26

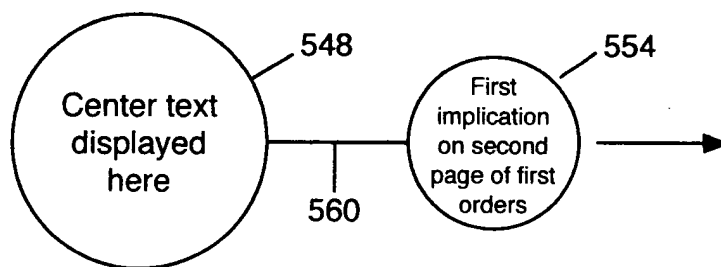
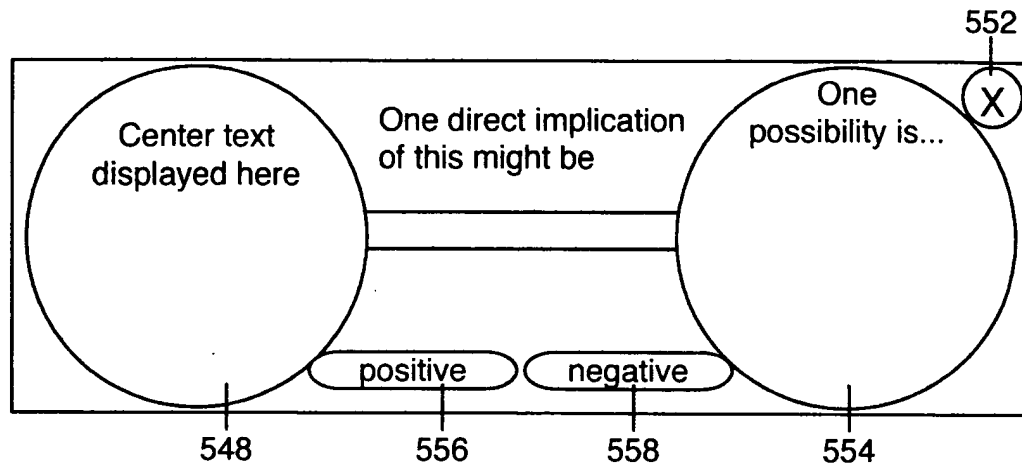


Figure 27

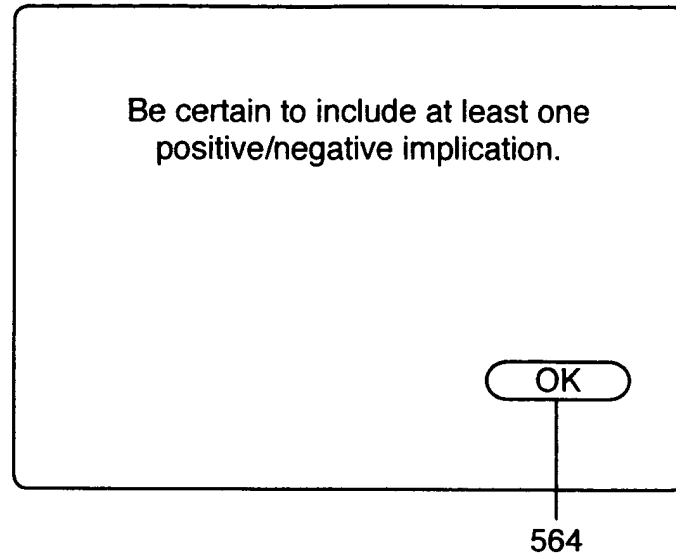


Figure 28

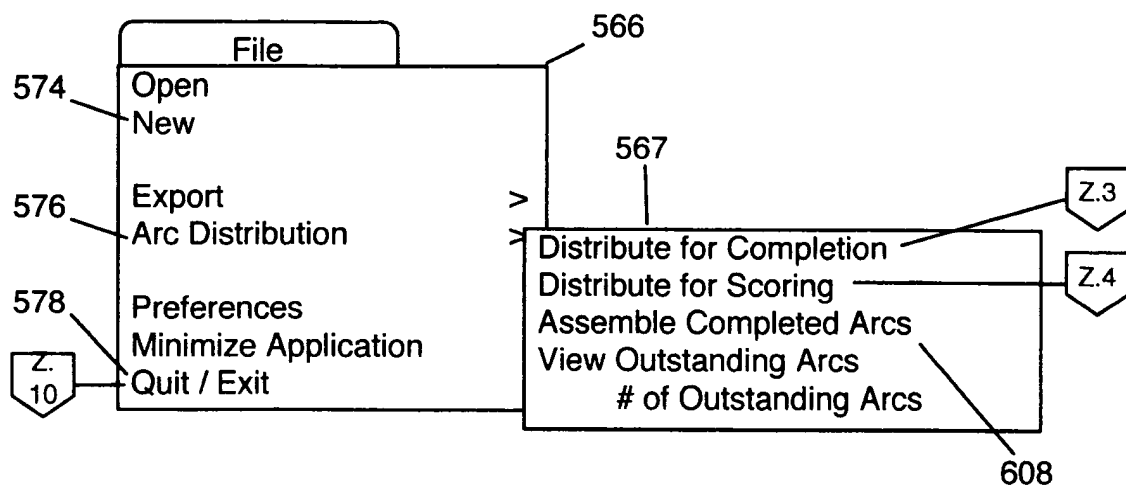


Figure 29

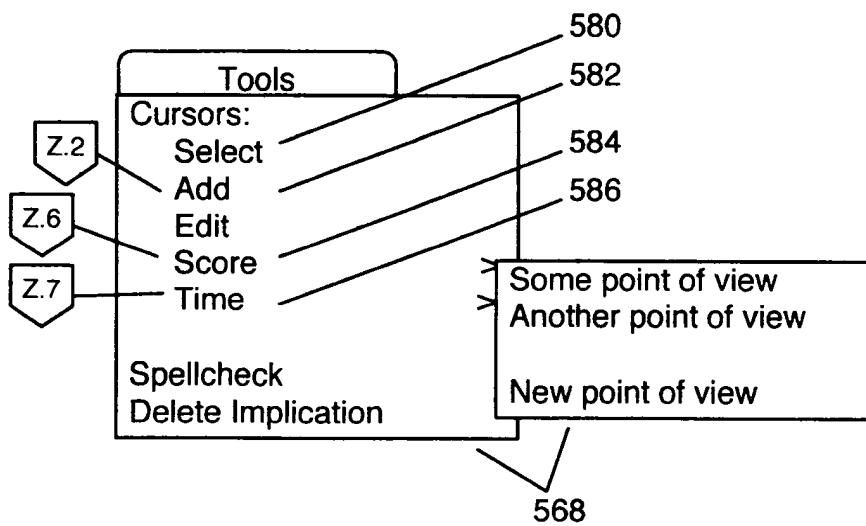


Figure 30

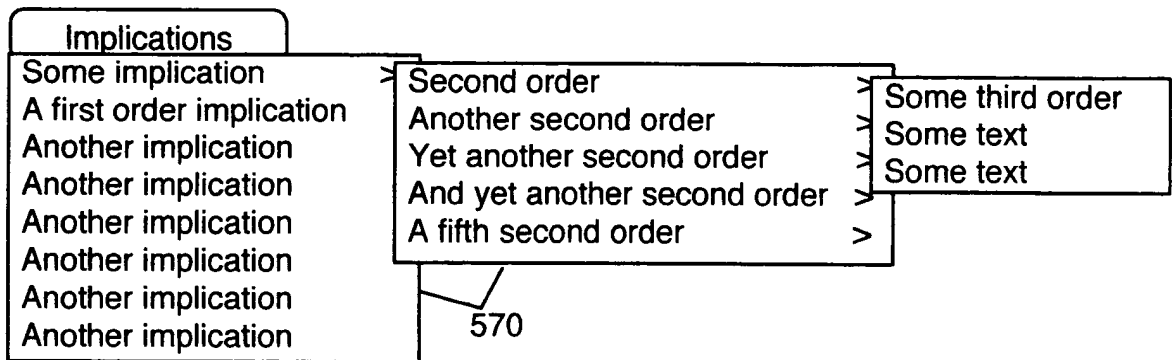


Figure 31

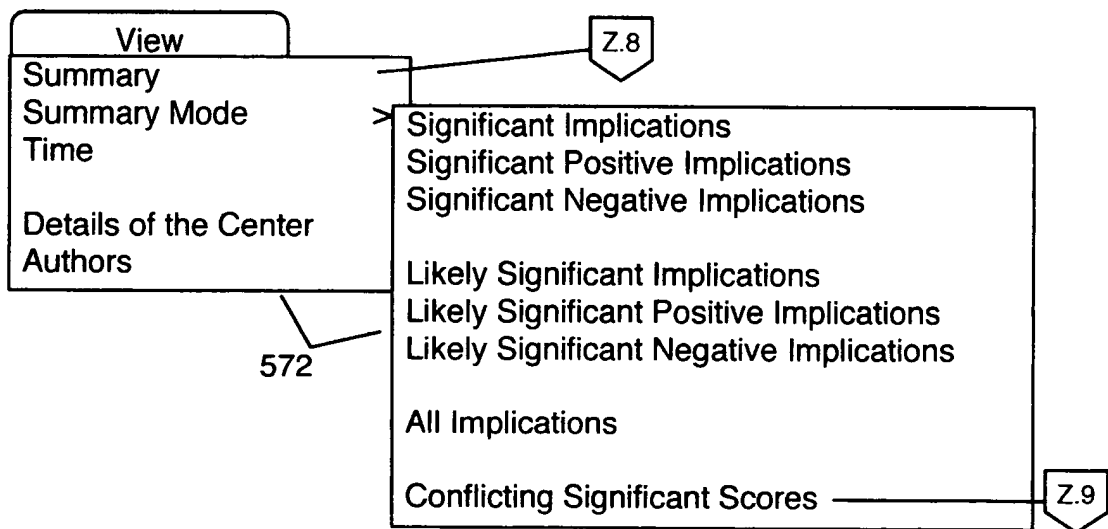


Figure 32

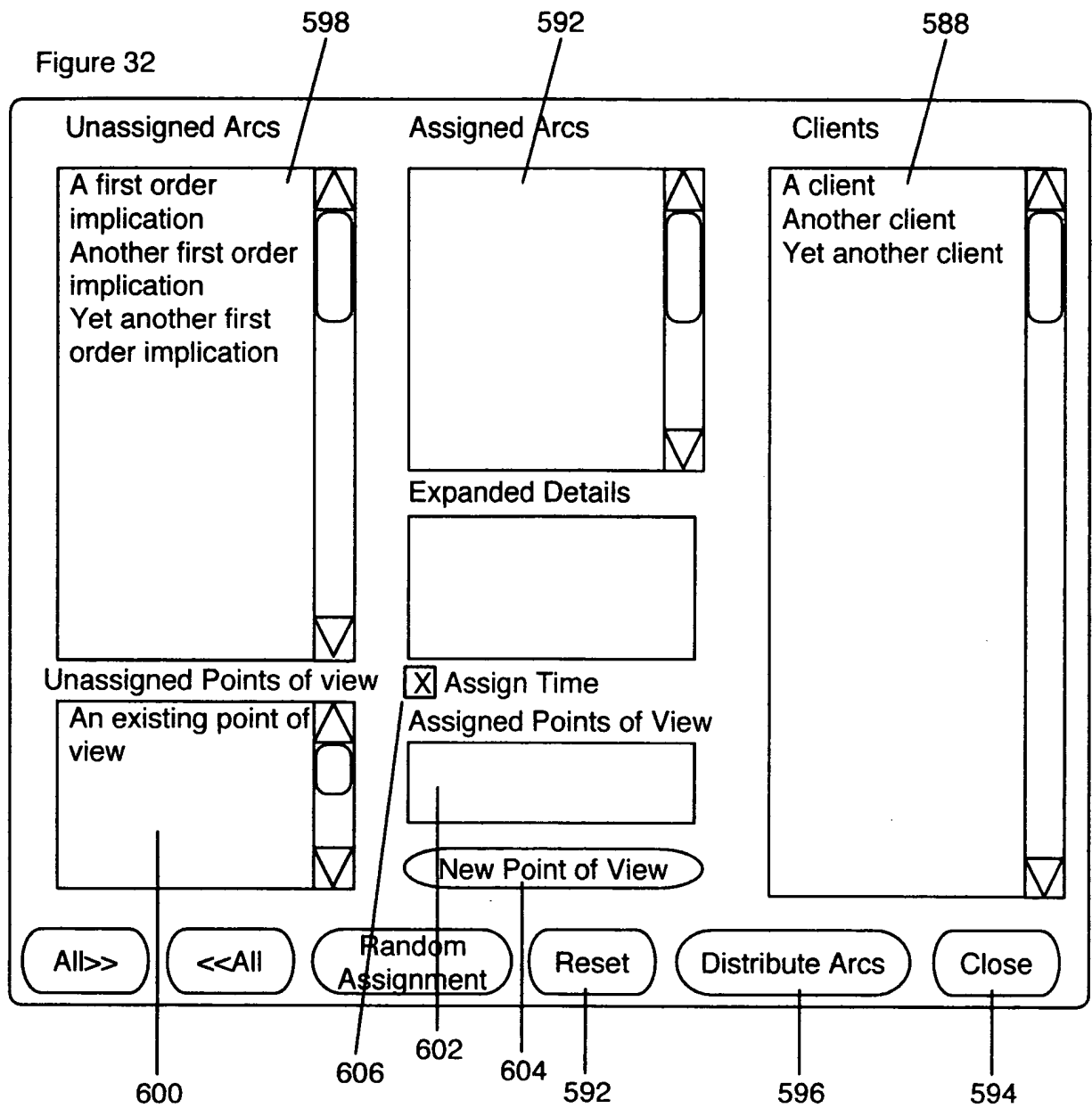


Figure 33

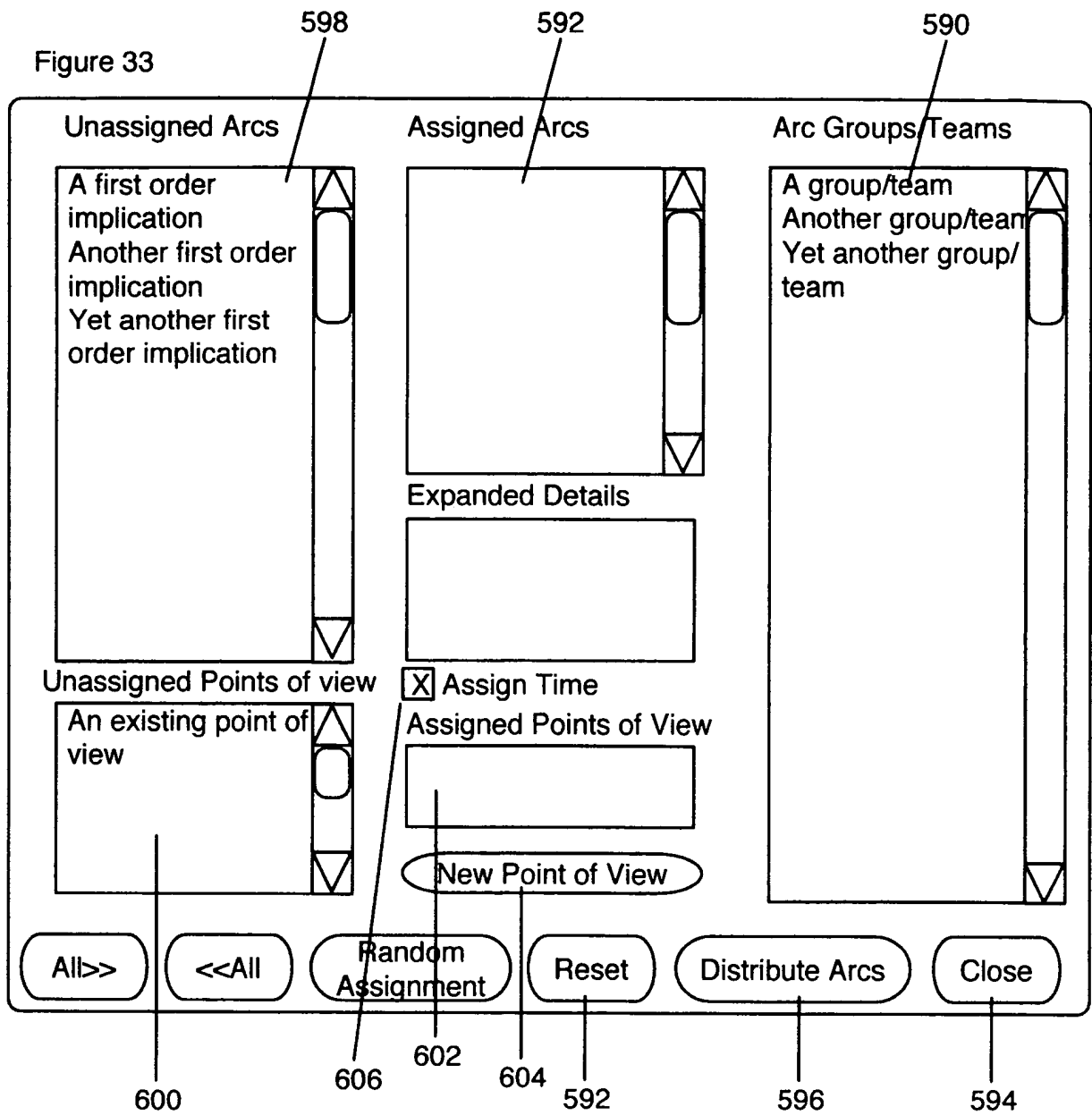
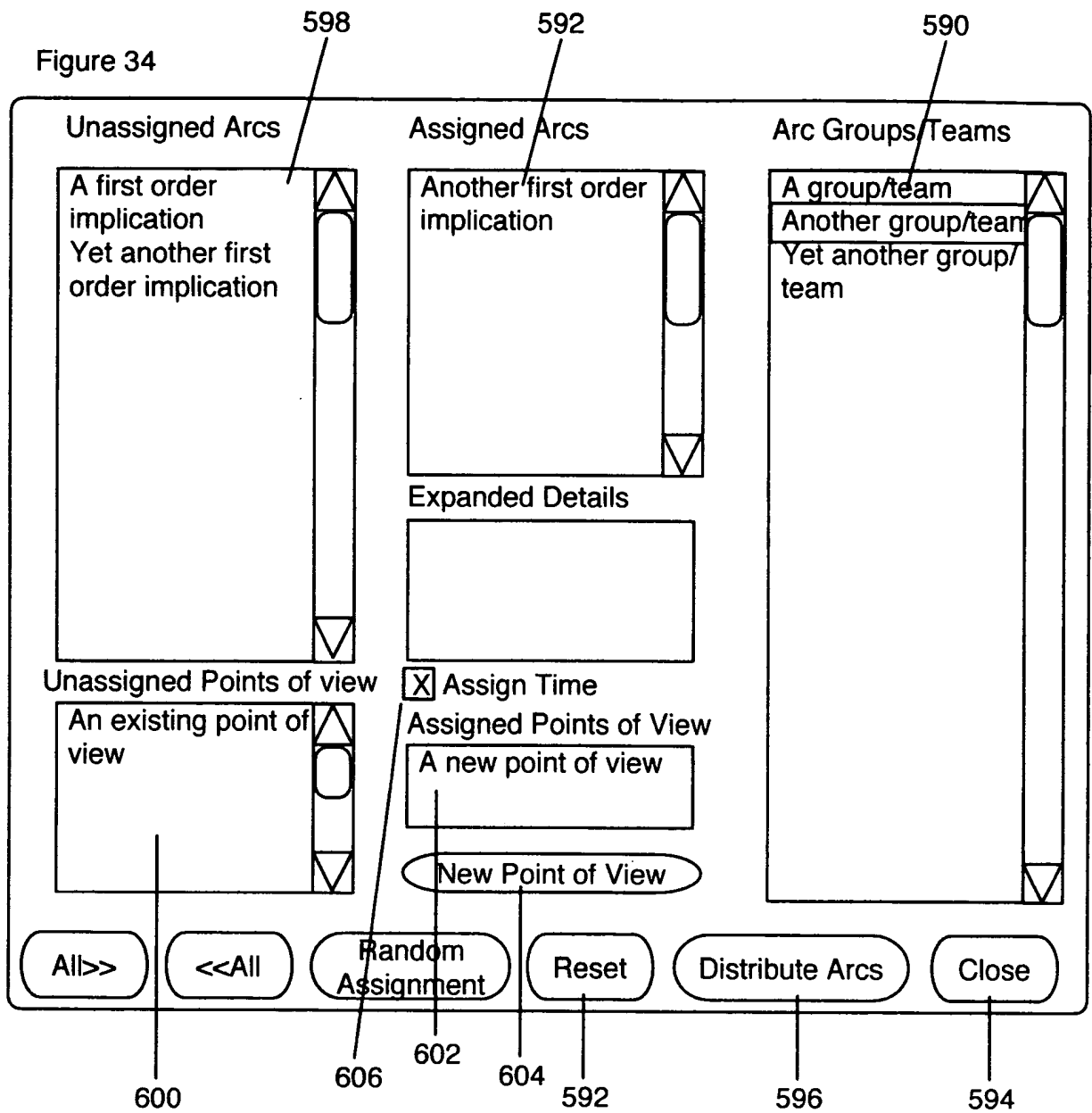


Figure 34



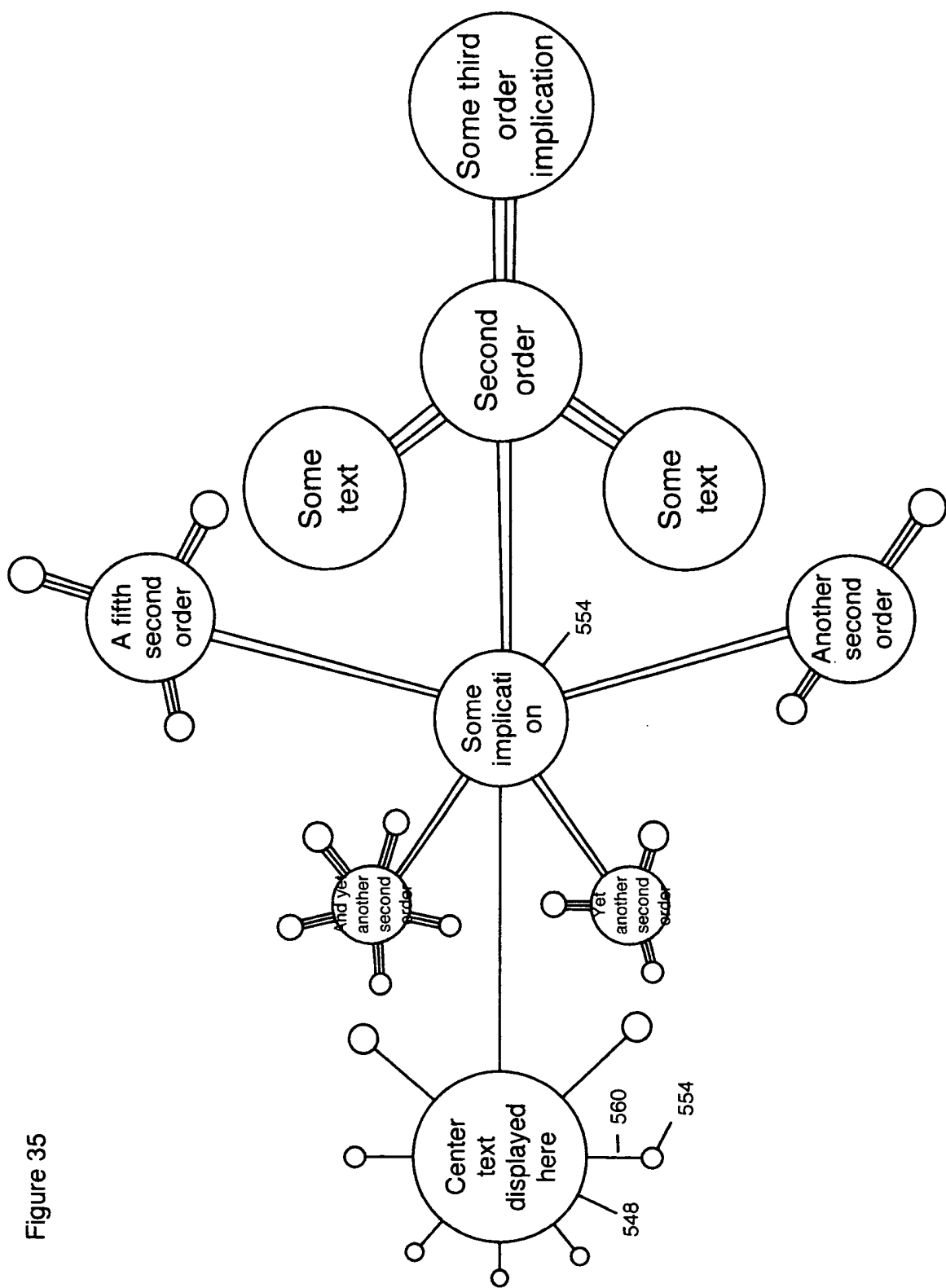


Figure 35

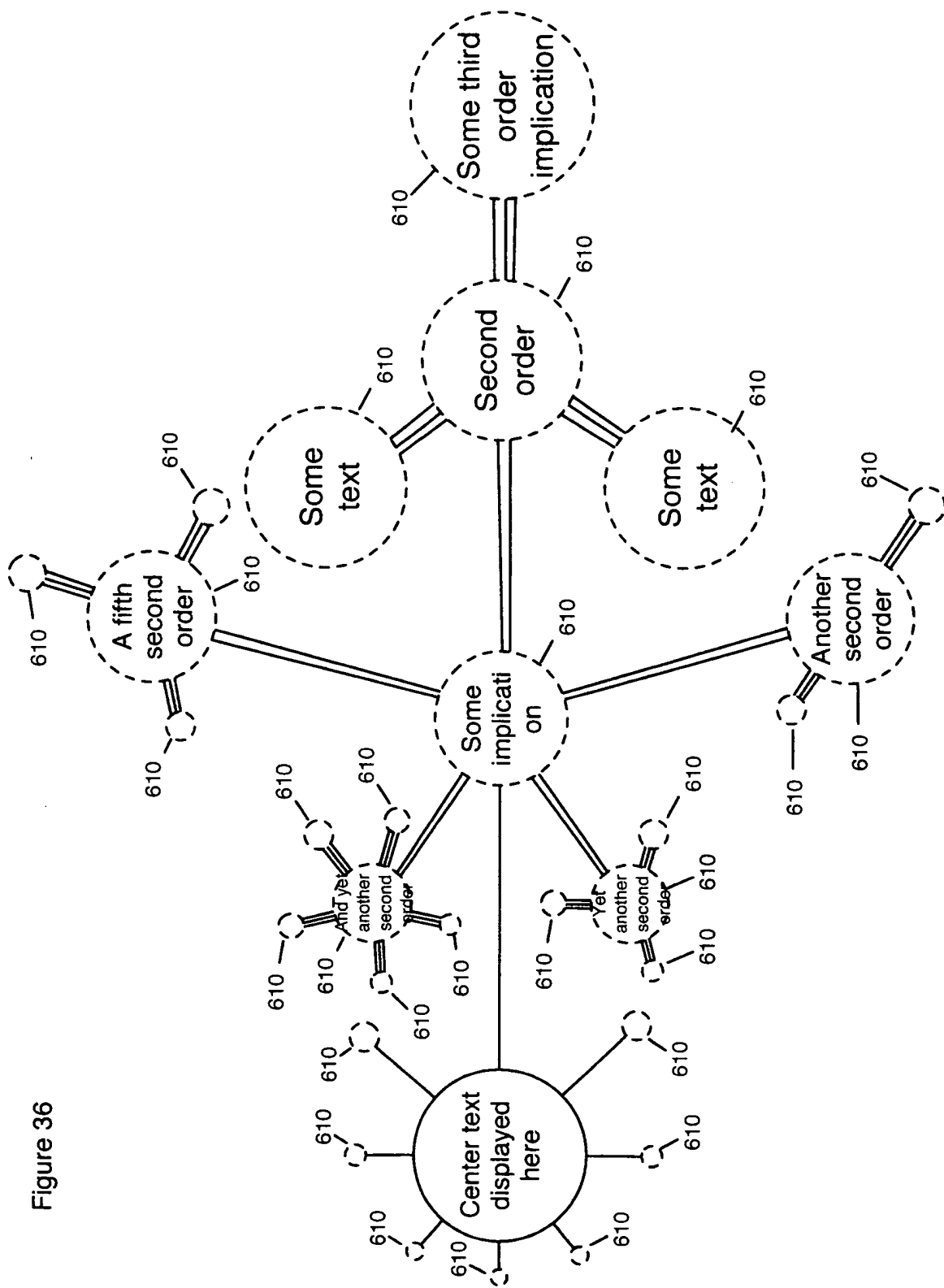


Figure 36

Figure 37

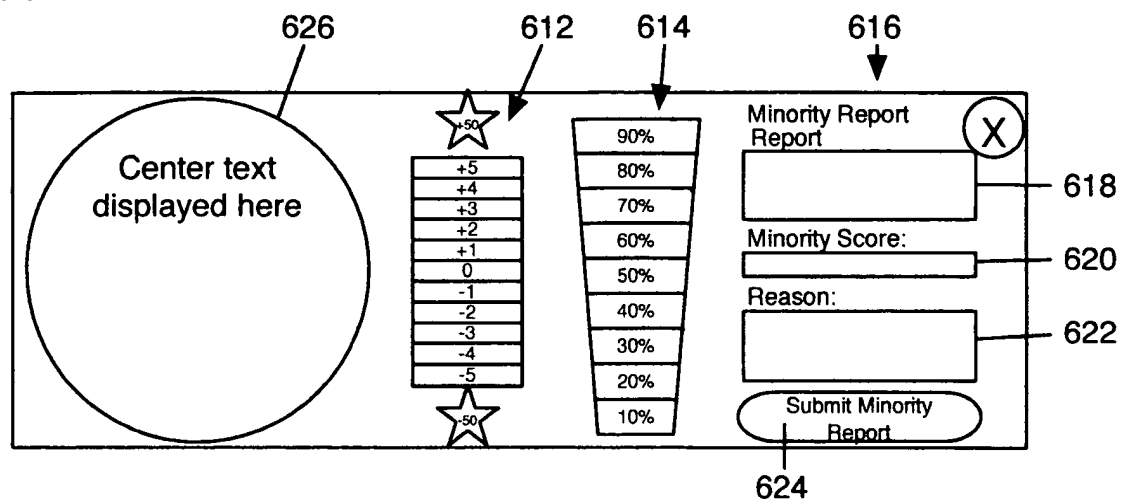
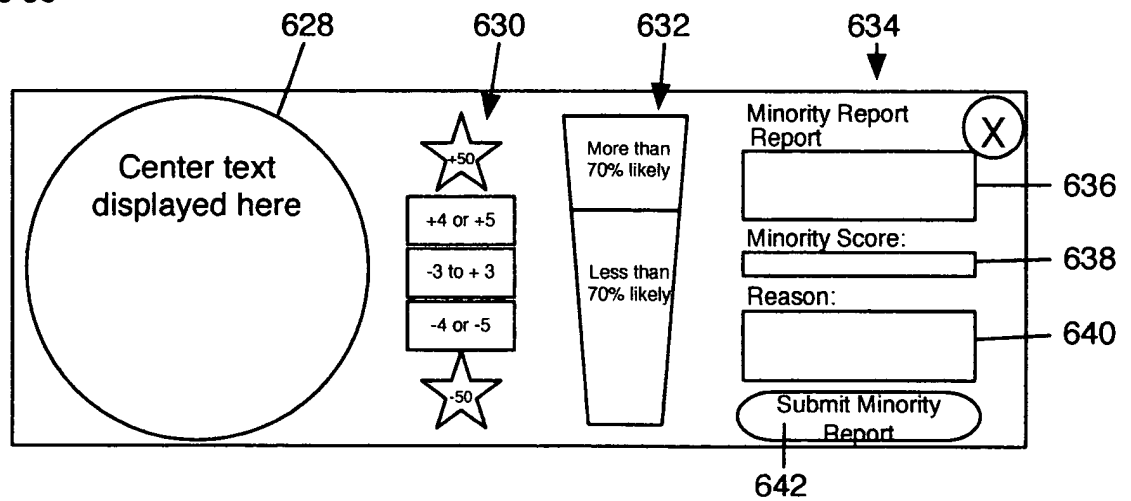


Figure 38



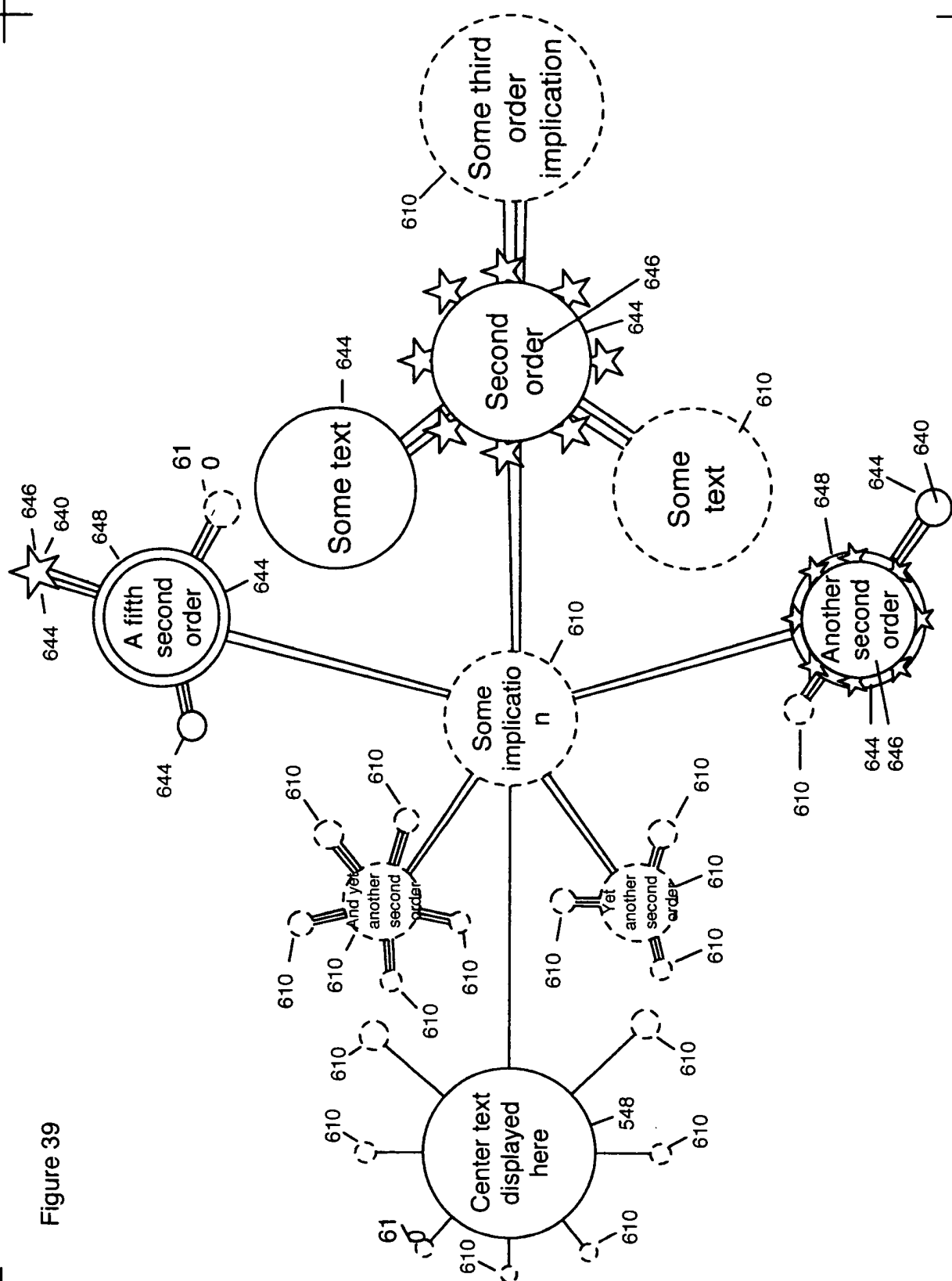
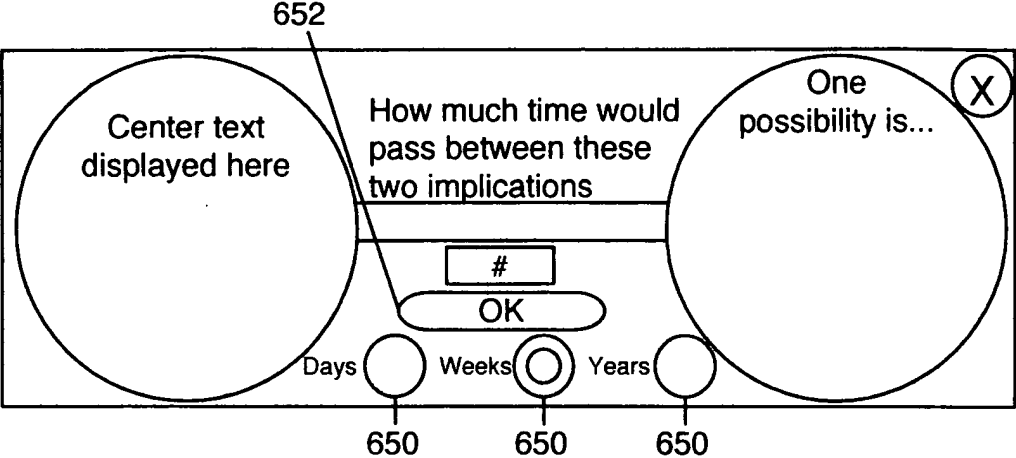


Figure 39

Figure 40



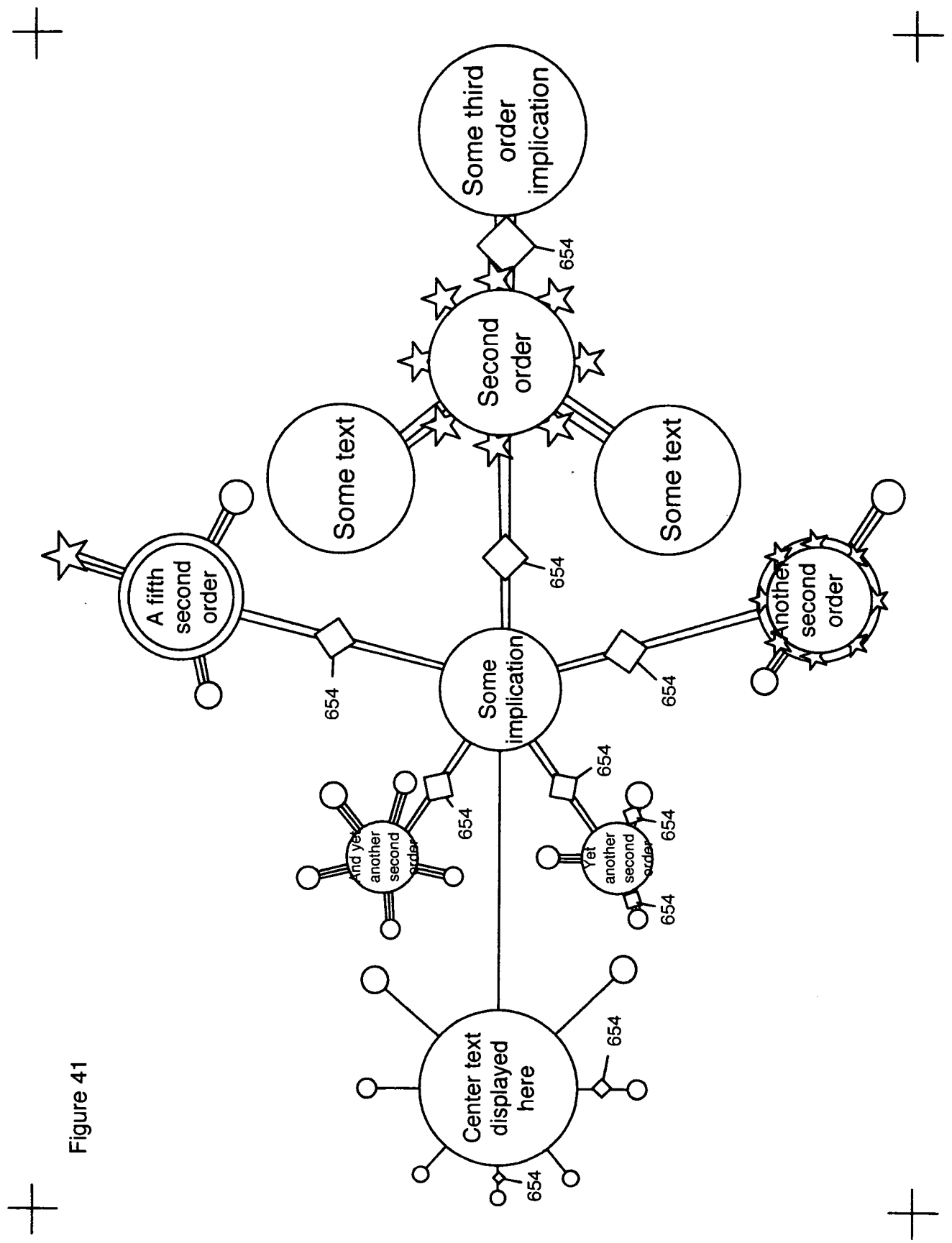


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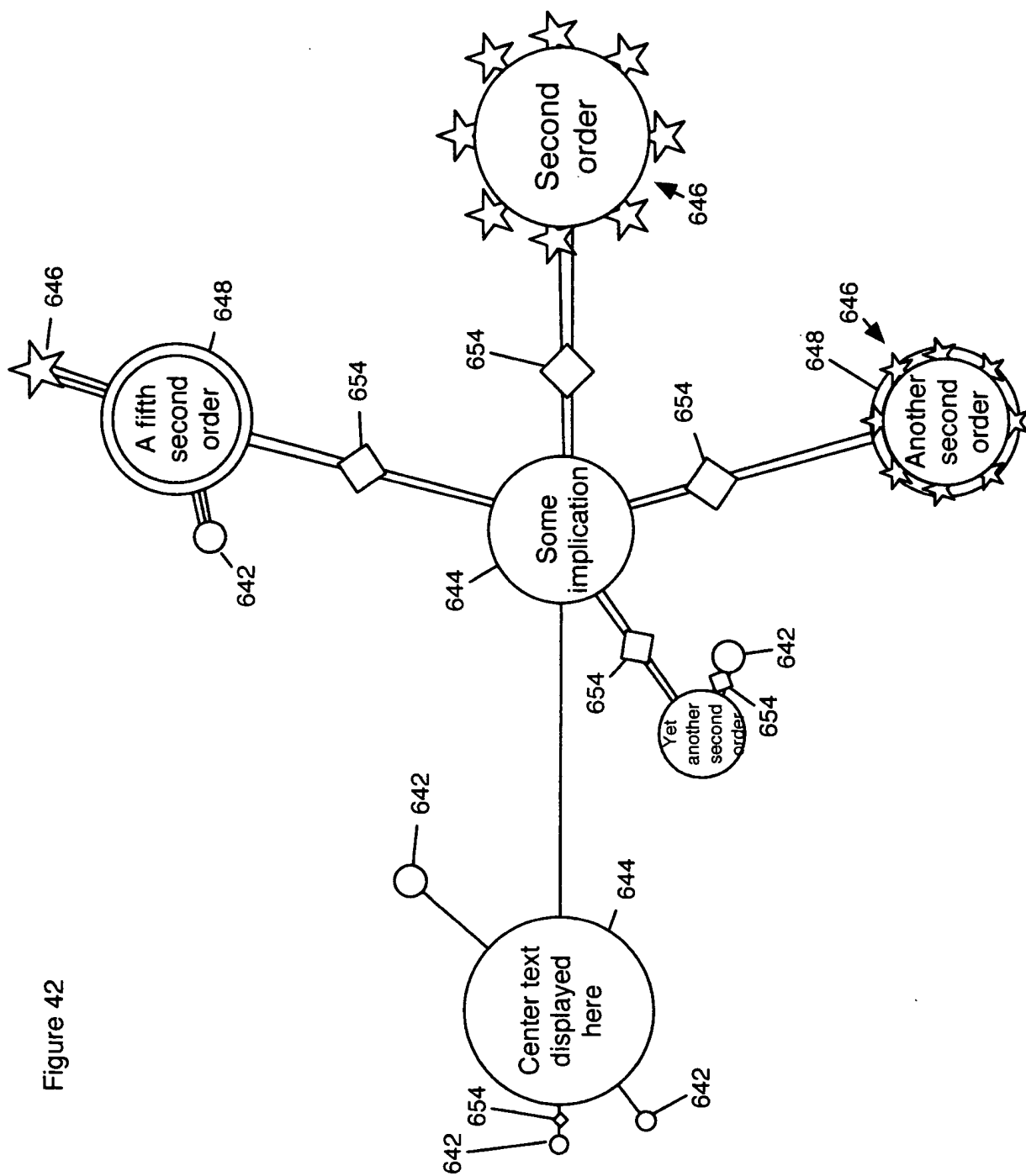


Figure 42

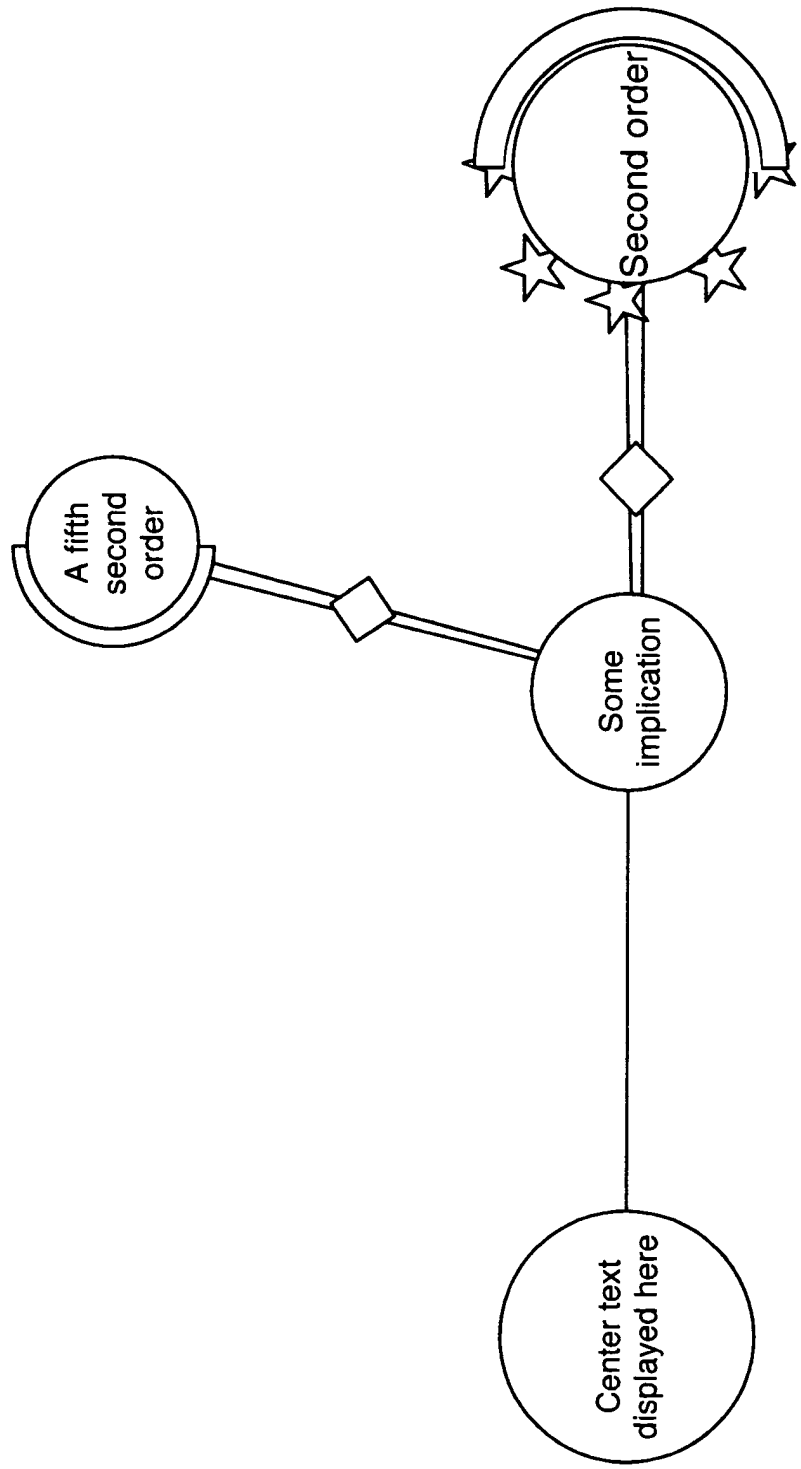


Figure 43

